



Marathon Petroleum Company LP

301 St. Paul Park Road
St. Paul Park, MN 55071
(651) 459-9771

Statement of Energy Performance

Refinery Energy Efficiency
Performance Assessment

EPA ENERGY STAR® Program

May 4, 2020

To Whom It May Concern:

Solomon Associates (Solomon) certifies that the Marathon Petroleum Company LP Louisiana Refining Division (also known as the Garyville Refinery) has submitted to Solomon the energy consumption and process data required for the calculation of the refinery's Energy Intensity Index (*Solomon-EII*™) for operating year 2019 and that the data appear consistent with reporting instructions. Solomon further certifies that the refinery's calculated *Solomon-EII*™ for operating year 2019 falls within the top 25 percent of refineries of similar crude capacity in the United States.

The energy consumption and process data submitted to Solomon for the Marathon Petroleum Company LP Garyville Refinery has been verified by the undersigned Professional Engineer as being accurate. "Accurate" means the submitted data are either consistent with official refinery accounting documents or that any data inconsistencies are minor and would not affect the refinery's top 25 percent ranking. The undersigned Professional Engineer is an employee of Marathon Petroleum Company LP.

Eric R. Hutchins
Vice President, Refining
HSB Solomon Associates LLC

Scott Hehr
Marathon Petroleum Company LP
Professional Engineer
License No. 76231
State Issuing License: Ohio





LEARN MORE AT
energystar.gov

Professional Engineer Verification Checklist

Plant: Garyville

Date: April 2, 2020

PE: Scott C. Hehr, P.E.

Review location: Corporate Office ☐ Site Visit ☐ Other ☒ *TEAMS DUE TO COVID19*
If other is checked, please describe how the PE confirmed that the plant met the eligibility requirements for certification and the authenticity and completion of the data used in the EPI.

Plant Physical Characteristics and Eligibility

• The plant has established a formal certification file.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• Where? <i>CORPORATE ELECTRONIC FILE & PAPER COPY</i>	
• The plant's activities conform to the eligibility description in the EPI Instructions.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• These plant activities are described in the certification file.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• Relevant calculations of plant activities (e.g., space requirements) meet specified minimums in the EPI Instructions.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• These plant calculations supporting eligibility are documented in the certification file.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Plant Operating Characteristics

• All data are confirmed to belong to the plant named in the EPI and plant certification documents.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• All data are confirmed to match the same 12-month time period specified on the Statement of Energy Performance.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• The plant's data is current (defined as within one year of the Period Ending Date on the Statement of Energy Performance).	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• All original source data (e.g., production records) has been reviewed to assure all data were correctly transcribed into a spreadsheet, database, etc.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• If original source data are not available for review: Internal verification procedures have been verified by PE and are applied to any company databases used for applicable data.	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>
• All calculations made using the original source data have been reviewed to assure accuracy, correct conversion of units, and use of generally accepted and uniformly applied conversion factors.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
• Annual totals resulting from all calculations match the values entered into the EPI.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• Annual totals resulting from all calculations match the units specified in the EPI.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• Inputs or calculations for other required plant physical characteristics (e.g., square footage, kilns) are consistent with source documents provided in the certification file.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• All source data, calculations, and assumptions have been documented in the formal certification file. Note that referral to a company database is not adequate; the file includes a static record of data drawn from the database on the date of EPI completion (i.e., the date the EPI score and Statement of Energy Performance were produced).	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• All production metrics (e.g., quantities, capacities, labor hours) follow the procedure specified in the EPI instructions.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• Source data, calculations, and documentation for all other data types (e.g. HDD/CDD) have been reviewed and documented in the formal certification file.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
• For cement plants, all energy data was entered using High Heating Value.	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>
• For cement plants, quarry energy data has been included.	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>



LEARN MORE AT
energystar.gov

Professional Engineer Verification Checklist

Energy Data

• All data confirmed to belong to the plant are named in the EPI and plant certification documents.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• All data confirmed to match the same 12-month time period are specified on the Statement of Energy Performance.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• The plant's data are current (defined as within 6 months of the Period Ending Date on the Statement of Energy Performance).	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
○ If not, why?	
• All original source data (e.g., utility invoices) have been reviewed to assure all data were correctly transcribed into a spreadsheet, database, etc.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
○ If original source data are not available for review: Internal verification procedures have been verified by PE and are applied to any company databases used for applicable data.	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>
• All calculations made using the original source data have been reviewed to assure accuracy, correct conversion of units, and use of generally accepted and uniformly applied conversion factors.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• Annual totals resulting from all calculations match the values entered into the EPI.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• All source data, calculations, and assumptions have been documented in the formal certification file. Note that referral to a company database is not adequate; the file must include a static record of data drawn from the database on the date of EPI completion (i.e., the date the EPI score and Statement of Energy Performance were produced).	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• Annual totals resulting from all calculations match the units specified in the EPI.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• All energy sources used at the plant are included in the EPI.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• All energy sources follow the energy accounting procedure specified in the EPI instructions.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• Calculations for energy transfers (purchased steam, compressed air) have been reviewed for accuracy.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>

ENERGY STAR Energy Performance Score

• All the required data have been entered into the EPI.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• The data have been properly entered into the EPI.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• The plant's EPI score is 75 or higher.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

PE Verification

• The PE review of the plant has been documented (e.g., site visit vs. corporate office, date, personnel met with, findings/corrections/recommendations from the review).	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• The PE completed the Verification Checklist for submission to EPA, and added the original document to the formal certification file.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
• The PE signed, stamped – indicating if embossed, and provided the required license information on the Statement of Energy Performance for submission to EPA, and added the original document to the formal certification file.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Please note any company personnel involved in review:

JASON AKEY EVA HEDALGO
KELLY HEDGES BRANDY WILLOMBSON

Please comment on any answers marked no and note any findings, corrections, or recommendations from the review:

PE Signature: _____

